

Heath Bland O'Connell

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Status:

Australian citizen
United States permanent resident

Education:

- University of Adelaide, Ph.D., 1997
“Vector meson models of strongly interacting systems”
Advisors: Prof. A.W. Thomas and Dr. A.G. Williams
- University of Adelaide, B.Sc. Honours (First Class), 1992

Professional Experience:

- **2002 - Present:** Information Resources Department Manager
Fermilab

Under general direction, responsible for the management and the integrated information services provided through the Library and Technical Publications Office consistent with the Laboratory's policies, DOE order, and State and Federal legislation. Serves as the lead project manager on information system automation.

- **1998 - 2002:** HEP-SPIRES Database Manager
Stanford Linear Accelerator Center, Stanford University

Maintenance and development in all aspects of the SPIRES suite of High Energy Physics databases (software development and support, webpage and database design, content oversight, liaison with HEP community).

- **1996 - 1998:** Postdoctoral Researcher
University of Kentucky

Main areas of research included vector meson phenomenology and CP violation in B system.

Scholarships:

- Australian Postgraduate Research Award Scholarship, 1993—1996
- Summer studentship in Theoretical Physics, University of Adelaide, 1991

Meeting Attendance (with talks):

- Talk given at annual OSTI meeting in Berkeley (April 2005).
- Talk given at IEEE Library Advisory Council meeting in New Jersey (October 2004).
- Talk given at IEEE Library Advisory Council meeting in New Jersey (October 2003).
- Invited talk on SLAC's eConf electronic conference proceedings web site at the JACoW Team Meeting in Frascati, Italy (March 2001). Presentation available at <http://www.slac.stanford.edu/~hoc/Jacow>
- Invited talk on the evolution of eprints in High Energy Physics given at AAAS Annual Meeting and Science Innovation Exposition, Washington, D.C., (February 2000). <http://arxiv.org/abs/physics/0007040>
- Three short physics talks at the Joint APS/AAPT Meeting, Columbus Ohio (April 1998).
- Short physics talk at the Midwest Theory Get-Together, Argonne National Laboratory (September 1997).
- Physics talk at ApplePhys '96, Hobart, Australia (July 1996).
- Physics talk at Quarks, Hadrons and Nuclei, Adelaide, Australia (November 1995).
- Short physics talk given at BrisPhys '94, Brisbane, Australia (July 1994).

Published Physics Research:

19 refereed papers in Austral.J.Phys., Eur.Phys.J.C, Nucl.Phys.A, Phys.Lett.B, Phys.Rev.C, Phys.Rev.D, Phys.Rev.Lett and Prog.Part.Nucl.Phys.

Library-related Papers:

1. H. B. O'Connell and M. E. Peskin, "Database lists the top-cited physics papers," CERN Cour. **41N10**, 27 (2001) <http://www.cerncourier.com/main/article/41/10/19>
2. H. B. O'Connell, "The horse that drank: Electronic communication and the high energy physics community," SLAC-PUB-8566 <http://www.slac.stanford.edu/cgi-wrap/pubpage?slac-pub-8566>
3. H. B. O'Connell, "Physicists thriving with paperless publishing," arXiv:physics/0007040 <http://arxiv.org/abs/physics/0007040>